

Claims

What is claimed is:

- [c1] A directory server comprising:
a supplier server;
a consumer server in communication with the supplier server;
a plurality of pluggable services that manage replication of data contained within
the directory server from the supplier server to the consumer server; and
a directory server mapping tree used to select a backend to handle a request;
wherein replication of data is managed using the directory server mapping tree.
- [c2] The directory server of claim 1, wherein the directory server mapping tree is
traversed for each operation the consumer server performs.
- [c3] The directory server of claim 1, wherein a node is determine that most resembles
the search criteria provided by the client application.
- [c4] The method of claim 3, wherein the node has a state enabling the directory server
mapping tree.
- [c5] The method of claim 3, wherein the node has a state disabling the directory server
mapping tree.
- [c6] The method of claim 3, wherein the node has an entry in the directory information
tree.
- [c7] A method for selecting a backend using a directory server mapping tree,
comprising:
providing a search criteria by a client application;
initiating a search request by the directory server mapping tree;

searching the directory server mapping tree using the search criteria; and
selecting the backend mapped in the directory server mapping tree that matches
the search criteria.

- [c8] The method of claim 7, further comprising:
traversing the directory server mapping tree for each request initiated by the client
application.
- [c9] The method of claim 7, further comprising:
determining a node that most resembles the search criteria provided by the client
application.
- [c10] The method of claim 9, wherein the node has a state enabling the directory server
mapping tree.
- [c11] The method of claim 9, wherein the node has a state disabling the directory server
mapping tree.
- [c12] The method of claim 9, wherein the node has an entry in the directory information
tree.
- [c13] The method of claim 7, further comprising:
modifying the directory server mapping tree from a plugin without dependence on
node representation.
- [c14] The method of claim 7, further comprising:
selecting a closest match based on the search criteria, if an exact match is not
found.
- [c15] A method for selecting a backend using a directory server mapping tree,
comprising:
providing a search criteria by a client application;

initiating a search request by the directory server mapping tree;
searching the directory server mapping tree using the search criteria;
selecting the backend mapped in the directory server mapping tree that matches
the search criteria;
traversing the directory server mapping tree for each request initiated by the client
application;
determining a node that most resembles the search criteria provided by the client
application;
modifying the directory server mapping tree from a plugin without dependence on
node representation; and
selecting a closest match based on the search criteria, if an exact match is not
found.

- [c16] An apparatus for selecting a backend using a directory server mapping tree,
comprising:
means for providing a search criteria by a client application;
means for initiating a search request by the directory server mapping tree;
means for searching the directory server mapping tree using the search criteria;
and
means for selecting the backend mapped in the directory server mapping tree that
matches the search criteria.